

# Canfranc, May 2012 Meeting

## NEXT COLLABORATION

### Contents

1	Meeting Venue	2
2	CM sessions	2
3	Monday, May 7th. 3:00 pm to 8:00 pm: PROTOTYPES	2
4	Tuesday, May 8th. 9:30 am to 12:30 am: NEXT-100 (I)	3
5	Tuesday, May 8th. 3:30 pm to 7:30 pm: NEXT-100 (II)	3
6	Wednesday, May 9th. 9:30 pm to 13:00 pm: NEXT-100 Electronics	3
7	Wednesday, May 9th. 3:30 pm to 7:30 pm: NEXT-100 Rpu- rity	4

## 1 Meeting Venue

Canfranc laboratory, Canfranc, Monday 7th May 2012, to Wednesday 9th May 2012

## 2 CM sessions

1. Monday, May 7th 3:00 pm to 8:00 pm
2. Tuesday, May 8th 9:30 to 13:00 and 3:30 pm to 8:00 pm:
3. Wednesday, May 9th. 9:30 to 13:00 and 3:30 pm to 8:00 pm

## 3 Monday, May 7th. 3:00 pm to 8:00 pm: PROTOTYPES

1. 3:00–3:30 Status of software (Michel/Justo)
2. 3:30–4:15 Status and results from LBNL prototype (Josh)
3. 4:15–5:00 Status and results from IFIC prototype (Francesc)
4. 5:00–5:15 Coffee
5. 5:15–6:00 Status and results from Zaragoza prototype (Diego/Laura)
6. 6:00–6:30 Alpha analysis (Michel/Justo)
7. 6:30–6:45 Issues for energy reconstruction in NEXT: Chi2 algorithm (Paola)
8. 6:45–7:00 Issues for energy reconstruction in NEXT: Radial corrections (Ander)
9. 7:00–7:30 Issues for energy reconstruction in NEXT: Anode calibration & energy (Hugo)
10. 7:30–8:00 Reconstruction with MPPCs. Studies for NEXT-100 (Josh)

#### **4 Tuesday, May 8th. 9:30 am to 12:30 am: NEXT-100 (I)**

1. 9:30–10:15 Status of NEXT-100 installation (Theopisti/Liubarsky)
2. 10:15–10:45 Pressure Vessel, final design (Derek/Sara).
3. 10:45–11:00 Coffee
4. 11:00–11:45 Field cage, HVFT, and EL grids for NEXT-100 (James/Clement)
5. 11:45–12:30 Energy plane (Derek).
6. 12:30–13:00 Discussion: NEXT-DEMO experience and NEXT-100 leaks (Liubarsky).

#### **5 Tuesday, May 8th. 3:30 pm to 7:30 pm: NEXT-100 (II)**

1. 3:30–4:00 Status of NEXT-DEMO tracking plane (David)
2. 4:00–4:30 Coating of DB: from NEXT-DEMO to NEXT-100 (Nadia)
3. 4:30–4:45 Tracking plane: Mechanical issues (Alberto).
4. 4:45–5:30 Lead Castle and seismic pedestal (Jos Luis/Jordi).
5. 5:30–6:00 Coffee
6. 6:00–7:00 Discussion: Integration (Theopisti).
7. 7:00–8:00 Collaboration board (Gloria).

#### **6 Wednesday, May 9th. 9:30 pm to 13:00 pm: NEXT-100 Electronics**

1. 9:30–10:00 Status of FE electronics for PMTs (Javi/Vicente).

2. 10:00–10:45 FE electronics for MPPCs (Dave/Curro).
3. 10:45–11:00 Coffee
4. 11:00–11:30 DAQ: from NEXT-DEMO to NEXT-100 (Raul).
5. 11:30–12:00 Online farm: from NEXT-DEMO to NEXT-100 (Luis/Toni).
6. 12:00–13:00 Discussion: DB production (Liubarsky).

## **7 Wednesday, May 9th. 3:30 pm to 7:30 pm: NEXT-100 Rpurity**

1. 3:30–4:15 Status of Ge detectors at LSC (Iulian)
2. 4:15–5:00 NEXT-100 radio purity campaign: status and results (Susana/Luis)
3. 5:00–5:15 Coffee
4. 5:15–6:00 Discussion. Radon (Gloria).
5. 6:00–6:30 Discussion. Slow control: From NEXT-DEMO to NEXT-100 (Theopisti/Liubarsky)
6. 6:30–7:00 Discussion. Calibration: From NEXT-DEMO to NEXT-100 (John)
7. 7:00–8:00 Closing. Next meeting, papers, issues.